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| Notice of Allowability | Application No. | Applicant(s) | |
| | 10/045,421 | BARBUT, DENISE R. | |
| | Examiner Patricia M Bianco | Art Unit 3762 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. This communication is responsive to Amendment filed 3/18/04.
2. The allowed claim(s) is/are 1-6, 8, 10-19, 21-24 and 29-36.
3. The drawings filed on 11 January 2002 are accepted by the Examiner.
4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All
 - b) Some*
 - c) None
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date _____.
 - (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. Notice of References Cited (PTO-892)
2. Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. Notice of Informal Patent Application (PTO-152)
6. Interview Summary (PTO-413),
Paper No./Mail Date _____
7. Examiner's Amendment/Comment
8. Examiner's Statement of Reasons for Allowance
9. Other _____.

*Patricia M Bianco
Primary Examiner
Art Unit: 3762*

Response to Amendment

Applicant filed an amendment March 18th, 2004. Portions of the specification were amended to update the continuation data and provide proper antecedent basis for the claimed subject matter of a cooler as claimed in claim 8. Claims 1 & 11 were amended to incorporate the subject matter of claims 7 & 20 respectively. Claims 29-36 were added. Claims 7, 9, 20 & 25-28 were cancelled, thereby leaving claims 1-6, 8, 10-19, 21-24 & 29-36 pending.

REASONS FOR ALLOWANCE

Claims 1-6, 8, 10-19, 21-25 & 29-36 are allowed.

The following is an examiner's statement of reasons for allowance:

The subject matter of the independent claims could either not be found or was not suggested in the prior art of record.

With respect to claim 1 and its dependent claims, the subject matter not found was the perfusion assembly including a thermostat for measuring the temperature of blood flowing through the lumen of the tubular branches in combination with the other elements in the claim.

With respect to claim 11 and its dependent claims, the subject matter not found was the method for cooling the spinal vasculature of a patient including the following steps: flowing cooled blood through each tubular branch into the spinal or intercostals arteries and into the spinal vasculature' accessing the aorta upstream from the least one severed intercostals artery; cooling oxygenated blood from the aorta; and flowing

Art Unit: 3762

the cooled oxygenated blood through the at least one intercostals artery in combination with the other steps in the claim.

With respect to claim 26 and its dependent claims, the subject matter not found was the perfusion assembly wherein each tubular branch comprises a manometer for measuring blood pressure within each second vessel in combination with the other elements in the claim.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

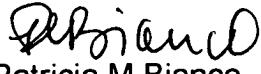
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patricia M Bianco whose telephone number is (703) 305-1482. The examiner can normally be reached on Monday to Friday 9:00-6:30, alternate Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Angela Sykes can be reached on (703) 308-5181. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 3762

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

April 30th, 2004


Patricia M Bianco
Primary Examiner
Art Unit 3762